

033104

22581 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

34020/US

March 31, 2004

First Inventor or Application Identifier

Gary Johnson et al.

Title

**PHASE DETECTOR AND METHOD HAVING  
HYSTERESIS CHARACTERISTICS**

Express Mail Label No.

**EL 646073853 US**

22581 U.S. PTO  
10/816178

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. ☐ Fee Transmittal Sheet (+ copy)  
(Submit an original and a duplicate for fee processing)

2. ☐ Applicant(s) Claim(s) Small Entity Status

3. ☒ Specification [Total Pages] **43**  
(preferred arrangement set forth below)

- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 USC 113) [Total Sheets] **13**

5. ☐ Oath or Declaration [Total Pages]

- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b)

6. ☒ Application Data Sheet (37 C.F.R. 1.76)

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☐ Computer-Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
  - i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ paper
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Certification Under 35 U.S.C. 122(b)(2)(B)(i)

10. ☐ Assignment Papers (cover sheet & document(s))

11. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)

12. ☐ English Translation Document (if applicable)

13. ☐ Preliminary Amendment Total Pages \_\_\_\_

14. ☒ Return Receipt Postcard

15. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

16. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

17. ☒ Other: Certificate of Express Mail

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment

☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: \_\_\_\_\_ Filed \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_

☐ **Incorporation By Reference** (useable if box 5b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

## CORRESPONDENCE ADDRESS

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Date March 31, 2004

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Gary Johnson and Wen Li                      Attorney Docket No.: 34020/US  
Filed : March 31, 2004  
Title : PHASE DETECTOR AND METHOD HAVING HYSTERESIS  
CHARACTERISTICS

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 646073853 US, on March 31, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

DORSEY & WHITNEY LLP



/ for West Courier

EWB:dms

Enclosures:

Postcard  
PTO/SB/05 Utility Patent Application Transmittal  
Application Data Sheet  
Specification, Claims, Abstract (43 pages)  
13 Sheets of Drawings (Figures 1-14)